

# Former Plainwell Impoundment Time-Critical Removal Action Weekly Construction Update

**Progress Report #27—November 12, 2007**

**Work Completed: November 1-November 7, 2007**

- Completed excavating soil and sediment from the Phase 1 Cofferdam Area.
- Continued excavating soil and sediment at Removal Area 7.
- Continued dewatering and operation of the 500 gallon per minute treatment system at the Phase 1 Cofferdam Area. Additional bag filter banks were added to the system after the carbon adsorption vessels.
- Continued loading and transporting solidified non-TSCA material from Staging Areas 3S and 5S to Allied Waste's C&C landfill in Marshall, Michigan. Continued solidifying excavated soil and sediment from the Phase 1 Cofferdam Area at Staging Areas 3S and 5S.
- Continued surveying and performing sampling and analysis of excavated portions of Removal Area 7 and the Phase 1 Cofferdam Area.
- Completed template construction and H-pile installation at the water control structure. Began the installation of beams and cross-bracing.
- Continued turbidity monitoring of the Kalamazoo River to support removal activities.

Estimated Weekly Volume Hauled to TSCA and Non-TSCA Landfill Facilities				
Date	Estimated Quantity TSCA-material (cubic yards)	Number of Truck Loads TSCA-material	Estimated Quantity Non-TSCA material (cubic yards)	Number of Truck Loads Non-TSCA material
Weekly Total	0	0	980	28
Total to Date	12,345	67	21,735	621

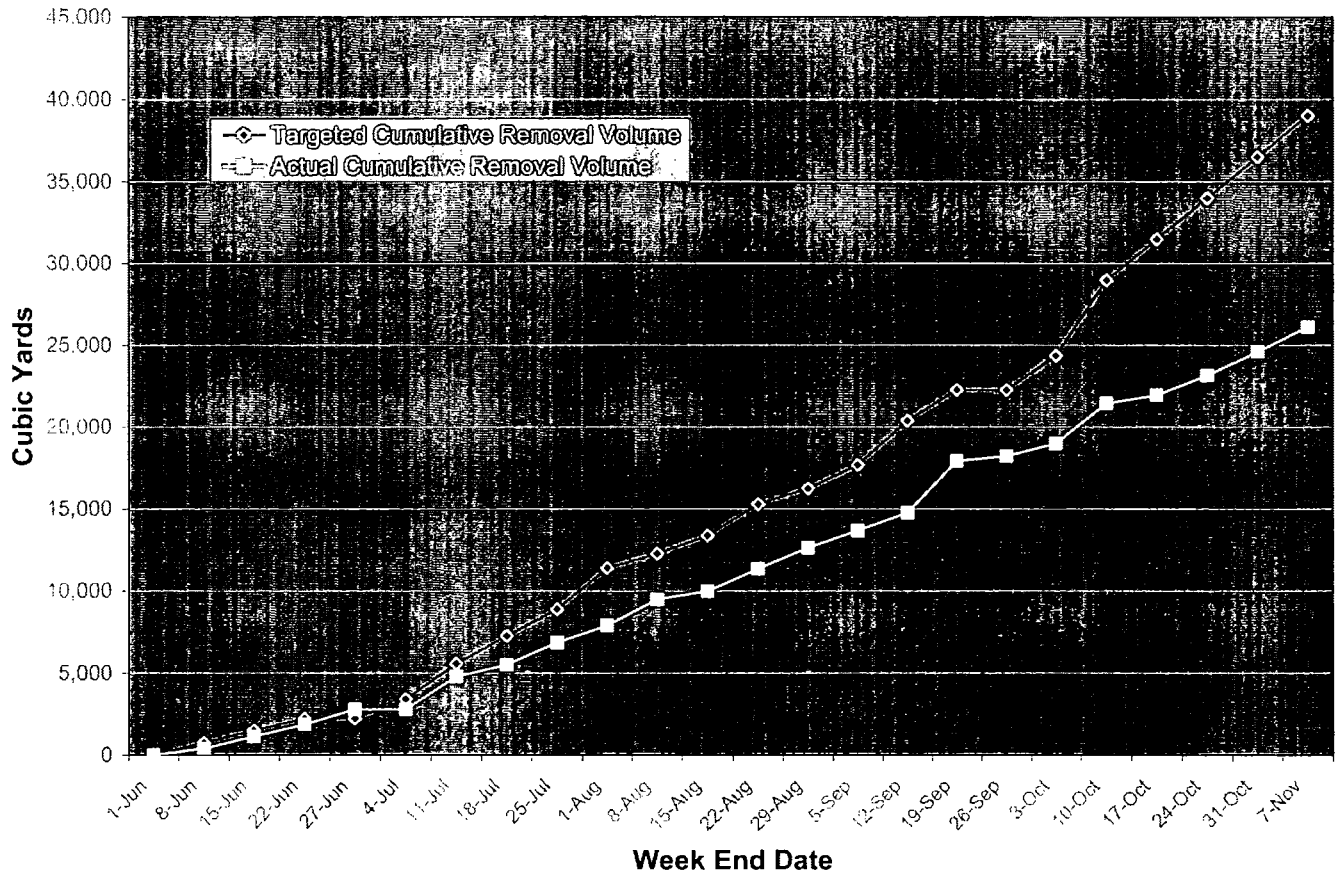
\*\* All values are unofficial, estimated quantities, subject to revision/verification.



***Work Planned: November 8-November 14, 2007***

- Continue excavating soil and sediment at Removal Area 7.
- Begin excavating sediment downstream of the water control structure in preparation for the installation of downstream erosion protection measures.
- Begin excavating and grading of embankment material near the Plainwell Dam.
- Continue dewatering and operation of the 500 gallon per minute treatment system at the Phase 1 Cofferdam Area.
- Continue loading and transporting solidified non-TSCA material from Staging Areas 3S and 5S to Allied Waste's C&C landfill in Marshall, Michigan. Continue solidifying excavated soil and sediment from the Phase 1 Cofferdam Area at Staging Areas 3S and 5S.
- Continue surveying and performing sampling and analysis of excavated portions of Removal Area 7, Phase 1 Cofferdam Area, and the Plainwell Dam embankment.
- Continue installation of cross-bracing, beams, and decking at the water control structure.
- Continue turbidity monitoring of the Kalamazoo River to support removal activities.

## Removal Progress

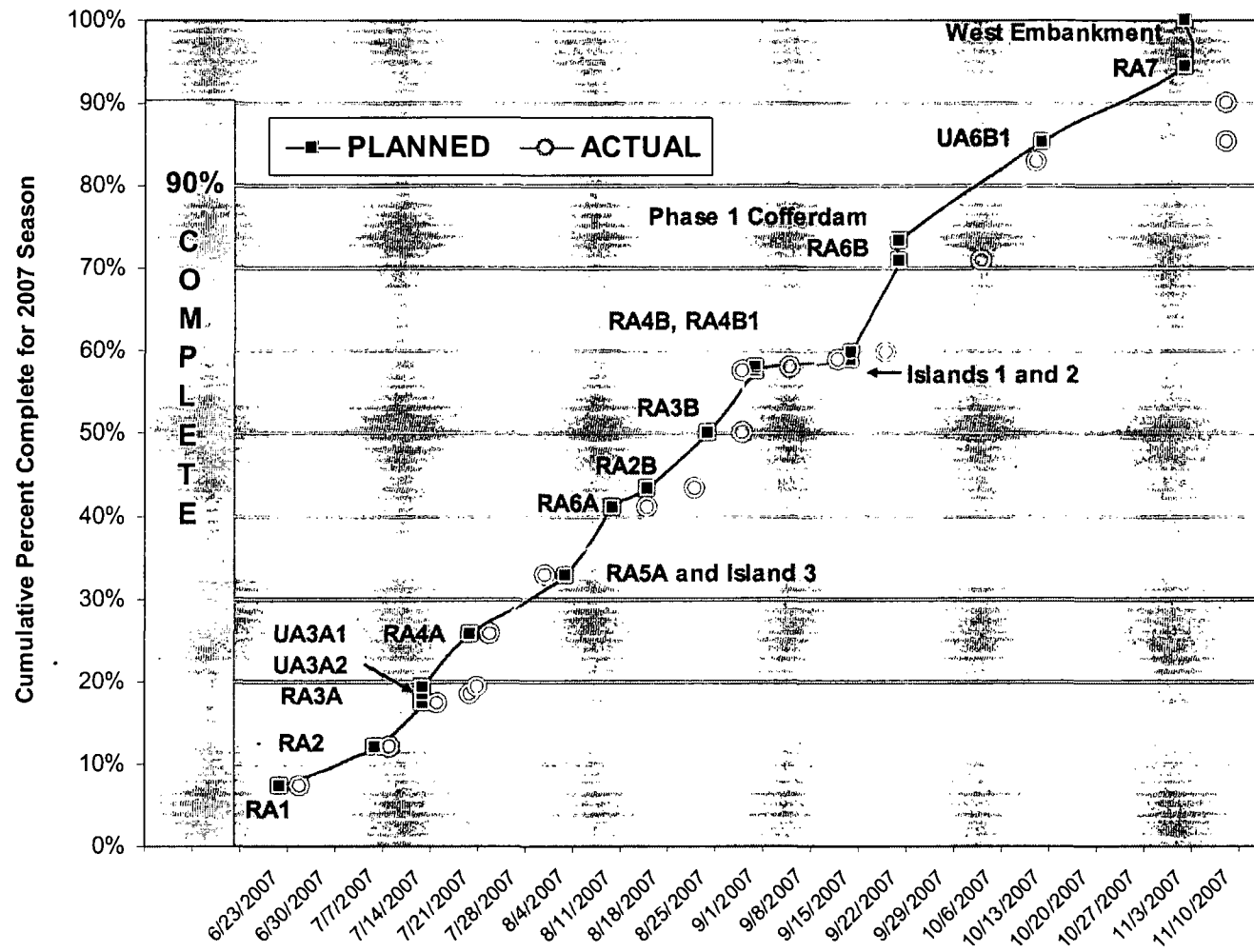


### Notes

Targeted volumes are neat and subject to change due to additional excavation done at request of USEPA.

Actual volumes removed are below the targeted volumes potentially due to the conservative estimation methodology used to develop targeted figures and due to the actual topographic conditions encountered at the site, which could result in smaller volumes needing to be removed than originally estimated. The targeted volumes have been increased by 10% to account for additional material that could be removed as a result of over-excavation and additional removal in response to confirmation sampling. Soil/sediment removal activities are on schedule based on the ARCADIS BBLES 4/30/07 Plainwell TCRA Construction Schedule.

# Removal Progress



***Health & Safety Update***

- 4 Loss Prevention Observations (LPOs) were completed this week.  
A total of 82 LPOs have been completed for the project to date.
- The power lines at the Plainwell Dam remain de-energized.

***Weather Summary***

- The C&C Landfill has continued to operate with a reduced capacity to accept non-TSCA project waste due to wet conditions at their facility.

***Environmental Monitoring and Construction Quality Assurance Testing***

**Resuspension/Turbidity Monitoring:**

Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Dewatering System Discharge Monitoring:**

Discharge Flow: 200,109 gallons  
Testing Performed this Week? No ☐ Yes ☒  
Exceedances? N/A ☐ No ☒ Yes ☐ If yes, explain:

**Excavation Verification Sampling:**

Testing Performed this Week? No ☒ Yes ☐ in Removal Area(s):  
Cleanup Standard Achieved? N/A ☒ Yes ☐ No ☐ If no, explain:

***Issues Encountered/Solutions Advanced***

- The KRSG and ARCADIS continue to examine alternatives to address waste flow restrictions at the C&C landfill facility.

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***Equipment on Site***

Equipment	11/1/07	11/2/07	11/3/07	11/4/07	11/5/07	11/6/07	11/7/07
Komatsu PC-300 Excavator	2	2	2	2	2	2	2
Komatsu PC-300 HD Long Reach	1	1	1	1	1	1	1
Komatsu PC-200 Excavator	1	1	1	1	1	1	1
John Deere JD-50 Mini-Excavator	2	2	2	2	2	2	2
John Deere JD-450 Dozer	1	1	1	1	1	1	1
John Deere JD-700 Dozer	1	1	1	1	1	1	1
Komatsu D37 Dozer	1	1	1	1	1	1	1
Komatsu D61 Dozer	1	1	1	1	1	1	1
Komatsu D65 Dozer	1	1	1	1	2	2	1
Volvo P-180 Loader	1	1	1	1	1	1	1
Komatsu 380 loader	1	1	1	1	1	1	1
CAT 328 Loader (King)	1	1	1	1	1	1	1
American 80-ton Crane (King)	1	1	1	1	1	1	1
2,000 Gallon Water Truck	1	1	1	1	1	1	1
Komatsu 400 Articulating Dump Truck	2	2	2	2	2	2	2

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**Personnel, Regulatory Staff, and Visitors on Site**

Individual/Affiliation	11/1/07	11/2/07	11/3/07	11/4/07	11/5/07	11/6/07	11/7/07
Terra Contracting Staff	20	20	10		20	20	20
Jim Saric/USEPA							X
Michael Berkoff/USEPA							X
Mike Ribordy/USEPA OSC						X	X
Lori Muller/USEPA							
Craig Thomas/USEPA							
Paul Bucholtz/MDEQ						X	X
John Bradley/MDEQ							
John Lerg/MDNR							
Weston Contractors	1	1			1	1	
CDM Contractors		1				1	1
Chase Fortenberry/KRSG						X	X
Mike Erickson/ARCADIS BBL							X
Steve Garbaciak/ARCADIS BBL							
Doug Cowin/ARCADIS BBL							X
Adam Chwalibog/ARCADIS BBL	X	X			X	X	X
Eric Hritsuk/ARCADIS BBL	X						
Rich Price/ARCADIS BBLES							
Matt Bowman/ARCADIS BBLES		X					X
EJ Suardini/ARCADIS BBLES	X	X			X	X	X
Mike Kohagen/ARCADIS BBLES	X					X	X
Michelle Rumler/ARCADIS BBL	X	X	X		X	X	X
Joe Willoughby/ARCADIS BBLES	X	X			X	X	X
Nick Harmer/ARCADIS BBL	X	X	X		X	X	X
<i>Other Subcontractors (Specify)</i>							
Schrader (Treatment System)	1	1			1	1	1
King Construction (WCS/cofferdam)	4	4			4	4	4

*Photos from Week #27*



*Removal Area 6B after the completion of  
initial post-construction activities.*



*Installing beams and braces on the water control structure.*



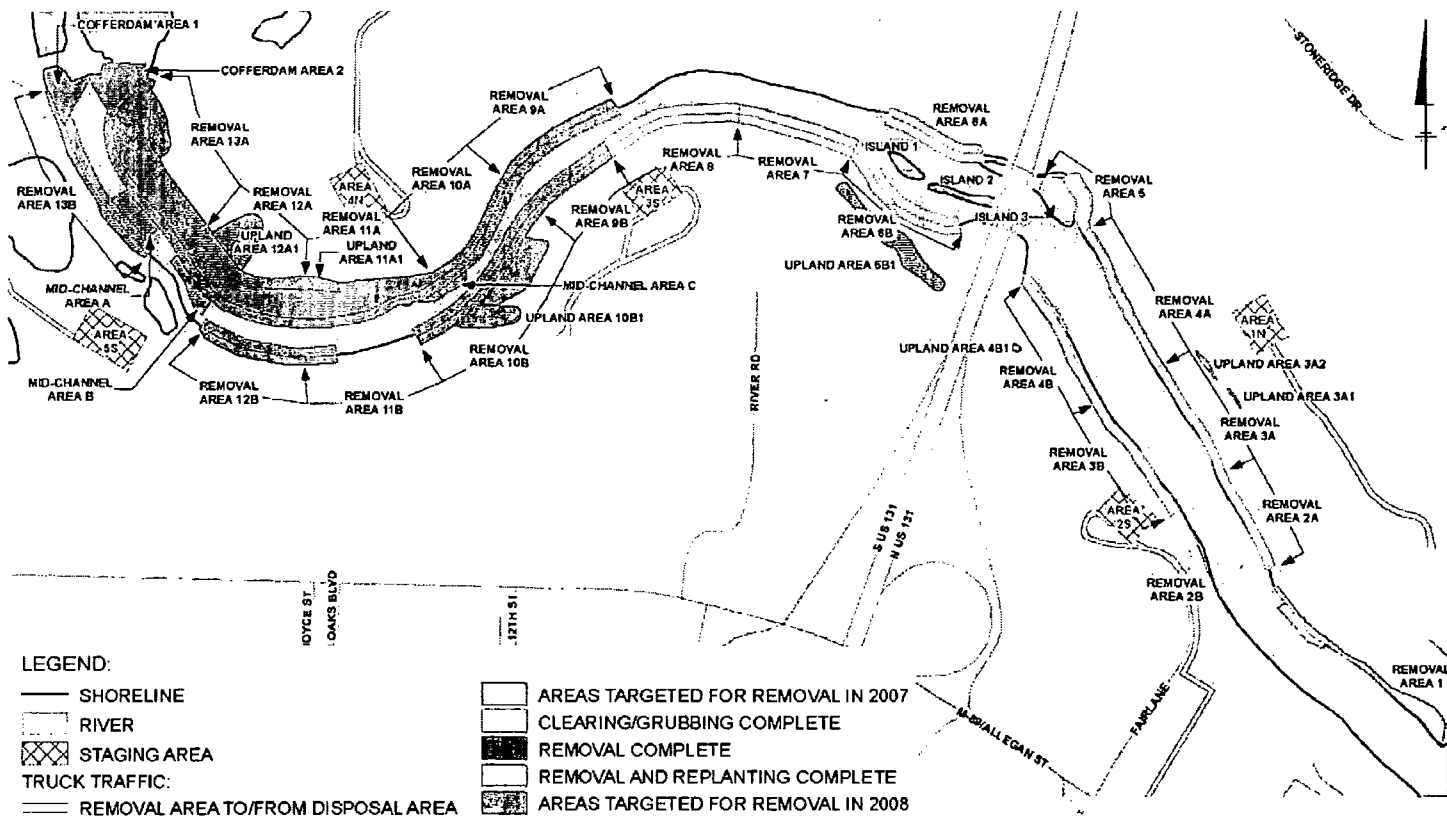
*Excavating and hauling soil and sediment from  
the Phase 1 Cofferdam Area.*



*Pug mill operations at Staging Area 3S.*



### Targeted Removal Areas—Former Plainwell Impoundment



## Notes

*Additional planting in 'Removal and Replanting Complete' areas may be necessary in 2008.*

*All dimensions and features represented on this map are approximate. Actual locations of access roads and staging areas and final boundaries of removal areas will be determined at the time of construction.*